

NT8D41BA Quad Serial Data Interface Paddle Board**Baud rate**

Switches SW13, SW10, SW11, and SW12 determine the baud rate for ports 1, 2, 3, and 4, respectively. See the settings for these switches in the following table.

QSDI paddle board baud rate switch settings

Baud rate	Baud Clock (kHz)	SW13 (port 1), SW10 (port 2), SW11 (port 3), SW12 (port 4)			
		1	2	3	4
150	2.40	on	off	on	on
300	4.80	on	on	off	on
600	9.60	on	off	off	on
1,200	19.20	on	on	on	off
2,400	38.40	on	off	on	off
4,800	76.80	on	on	off	off
9,600	153.60	on	off	off	off
19,200*	307.20	on	on	on	on

* For future use.

Address

Switch SW15 or SW16 and logic on the card always address the four UARTs using a pair of addresses: 0 and 1, 2 and 3 through 14 and 15. The settings for both switches are shown in the following table. To avoid system problems, switches SW15 and SW16 must not be configured identically.

QSDI paddle board address switch settings

SW15	Port 1	Port 2	Switch settings							
SW16	Port 3	Port 4	1*	2*	3	4	5	6	7	8
Device pair addresses	0	1	E	X	off	off	off	off	off	off
	2	3	E	X	off	off	off	off	off	on
	4	5	E	X	off	off	off	off	on	off
	6	7	E	X	off	off	off	off	on	on
	8	9	E	X	off	off	off	on	off	off
	10	11	E	X	off	off	off	on	off	on
	12	13	E	X	off	off	off	on	on	off
	14	15	E	X	off	off	off	on	on	on

* To enable ports 1 and 2, set SW15 position 1 to ON. To enable ports 3 and 4, set SW16 position 1 to ON.

+ For each X, the setting for this switch makes no difference, because it is not used.

DTE/DCE mode

Each serial port can be configured to connect to a terminal (DTE equipment) or a modem (DCE equipment). Instructions for setting the DTE/DCE switches SW2, SW3, SW4, SW5, SW6, SW7, SW8, and SW9 are shown in the following table.

Example: Port 1 is changed from DTE to DCE by reversing every switch position on SW3 and SW2; i.e., switches that were off for DTE are turned on for DCE, and switches that were on for DTE are turned off for DCE.

QSDI paddle board DTE/DCE mode switch settings

Mode	Port 1 — SW 3						Port 1 — SW 2					
	1	2	3	4	5	6	1	2	3	4	5	6
DTE (terminal)	on	on	on	off	on	off	off	on	off	on	off	on
DCE (modem)	off	off	off	on	off	on	on	off	on	off	on	off
Mode	Port 2 — SW 5						Port 2 — SW 4					
	1	2	3	4	5	6	1	2	3	4	5	6
DTE (terminal)	on	on	on	off	on	off	off	on	off	on	off	on
DCE (modem)	off	off	off	on	off	on	on	off	on	off	on	off
Mode	Port 3 — SW 7						Port 3 — SW 6					
	1	2	3	4	5	6	1	2	3	4	5	6
DTE (terminal)	on	on	on	off	on	off	off	on	off	on	off	on
DCE (modem)	off	off	off	on	off	on	on	off	on	off	on	off
Mode	Port 4 — SW 9						Port 4 — SW 8					
	1	2	3	4	5	6	1	2	3	4	5	6
DTE (terminal)	on	on	on	off	on	off	off	on	off	on	off	on
DCE (modem)	off	off	off	on	off	on	on	off	on	off	on	off